

EVER ACTIVE SUN!)

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An up-to-date concept of solar activity was developed using ground-based data as well as satellite observations. According to this concept:

- 1) Solar activity manifests itself in various forms at all latitudes from the poles to the equator and at all space scales from several hundred to many hundred thousand km.
- 2) The active events are not confined to the relatively short periods of the 11-year maxima, but occur permanently in one or other form, including the minimum epochs of the 11-year cycle.
- 3) A certain parallelism exists between the local and large-scale (global) fields, so that most objects and phenomena in local fields have their analogy in global fields.
- 4) A number of geoeffective phenomena on and near the Earth, and in the heliosphere, that used to be entirely attributed to processes in the local fields, turn out to be determined to a much greater extent by processes in the large-scale structures.
- 5) It is shown that processes in the local fields follow processes in the global fields with a delay of 5-6 years.